

GenCore version 5.1.4 p5\_4578  
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OM protein - protein search, using sw model

Run on: March 28, 2003, 12:09:01 ; Search time 4.05137 Seconds  
(without alignments)  
1463.971 Million cell updates/sec

Title: US-09-924-946-5  
Perfect score: 541  
Sequence: 1 VLRLSQAQVGEGRVFLMNR.....ALEGSONGCOHENAARCN 101

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 237916 seqs, 58723674 residues

Total number of hits satisfying chosen parameters: 237916

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pdb.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCR\_NEW\_PUB.pdb.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pdb.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pdb.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pdb.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pdb.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/PCRUS\_PUBCOMB.pdb.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pdb.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pdb.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pdb.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pdb.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pdb.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pdb.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pdb.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	541	100.0	101	10	US-09-924-946-5
2	541	100.0	756	10	US-09-924-946-2
3	535	98.9	443	12	US-10-067-422-27
4	535	98.9	573	12	US-10-067-422-10
5	535	98.9	756	10	US-09-870-110-2
6	511	94.5	757	10	US-09-823-038A-52
7	363.5	67.2	774	9	US-09-974-298-122
8	363.5	67.2	774	10	US-09-782-980-16
9	363.5	67.2	774	10	US-09-909-743-7
10	334	61.7	608	10	US-09-835-996A-31
11	334	61.7	641	9	US-09-948-820-51
12	334	61.7	753	10	US-09-782-980-11
13	334	61.7	753	10	US-09-909-743-2
14	334	61.7	769	10	US-09-835-996A-39
15	325	60.1	732	10	US-09-835-996A-13
16	325	60.1	753	10	US-09-835-996A-29
17	325	60.1	754	10	US-09-782-980-17
18	325	60.1	754	10	US-09-909-743-8
19	287	53.0	54	12	US-10-067-422-22

20	251	46.4	1116	9	US-09-977-577-10	Sequence 10, Appl
21	251	46.4	1149	9	US-09-977-577-11	Sequence 11, Appl
22	251	46.4	1151	9	US-09-977-577-13	Sequence 13, Appl
23	251	46.4	1156	9	US-09-977-577-12	Sequence 12, Appl
24	251	46.4	1436	9	US-10-042-431-78	Sequence 78, Appl
25	251	46.4	1436	9	US-09-759-130B-448	Sequence 448, App
26	244	45.1	822	9	US-09-147-947-6	Sequence 6, Appl
27	241	44.5	1319	9	US-10-042-431-14	Sequence 14, Appl
28	241	44.5	1319	9	US-09-759-130B-384	Sequence 384, App
29	241	44.5	1413	9	US-10-042-431-13	Sequence 13, Appl
30	241	44.5	1413	9	US-09-759-130B-383	Sequence 383, App
31	241	44.5	1453	9	US-10-042-431-11	Sequence 11, Appl
32	241	44.5	1453	9	US-09-759-130B-381	Sequence 381, App
33	238	44.0	761	9	US-09-147-947-4	Sequence 4, Appl
34	225.5	41.7	103	10	US-09-864-761-39736	Sequence 39736, A
35	225	41.6	180	10	US-09-925-297-696	Sequence 696, App
36	223	41.2	451	10	US-09-782-980-19	Sequence 19, Appl
37	223	41.2	451	10	US-09-909-743-10	Sequence 10, Appl
38	216	39.9	458	10	US-09-782-980-126	Sequence 126, App
39	211	39.0	127	9	US-09-866-050A-504	Sequence 504, App
40	199	36.8	103	10	US-09-924-946-3	Sequence 3, Appl
41	199	36.8	170	12	US-10-067-422-14	Sequence 14, Appl
42	195.5	36.1	347	9	US-09-905-291A-148	Sequence 148, App
43	195.5	36.1	347	9	US-09-902-853-148	Sequence 148, App
44	195.5	36.1	347	9	US-09-907-824-148	Sequence 148, App
45	195.5	36.1	347	9	US-09-907-841-148	Sequence 148, App

ALIGNMENTS

RESULT 1

US-09-924-946-5  
; Sequence 5, Application US/09924946  
; Patent No. US20020102645A1  
; GENERAL INFORMATION:  
; APPLICANT: American Home Products Corporation  
; APPLICANT: Evans, Mark  
; APPLICANT: Scicchitano, Marshall  
; APPLICANT: Bapat, Ashok  
; APPLICANT: Beer, Eric  
; APPLICANT: Bhat, Ramesh  
; APPLICANT: Ferris, Elissa  
; APPLICANT: Mastroeni, Rob  
; APPLICANT: Zhang, Jianxiong  
; APPLICANT: Karathanasis, Sotirios K.  
; TITLE OF INVENTION: A No. US20020102645A1e1 Member of the Lysyl Oxidase Gene Family  
; FILE REFERENCE: 0630/16703-US2  
; CURRENT APPLICATION NUMBER: US/09/924,946  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: 60/223,763  
; PRIOR FILING DATE: 2000-08-08  
; PRIOR APPLICATION NUMBER: 60/255,838  
; PRIOR FILING DATE: 2000-12-15  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5  
; LENGTH: 101  
; TYPE: PRT  
; ORGANISM: Human  
US-09-924-946-5

Query Match 100.0%; Score 541; DB 10; Length 101;  
Best Local Similarity 100.0%; Pred. No. 9.3e-56;  
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VLRLSQAQVGEGRVFLMNRMTGTCVCDHRNWLISASVWCRLGFGSAREALFGARLGGQL 60  
DB 1 VLRLSQAQVGEGRVFLMNRMTGTCVCDHRNWLISASVWCRLGFGSAREALFGARLGGQL 60

QY 61 GPIHLSEVRCRGVETLSDCPALGSGQCHENAAVRCN 101  
DB 61 GPIHLSEVRCRGVETLSDCPALGSGQCHENAAVRCN 101

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RESULT 2
US-09-924-946-2
; Sequence 2, Application US/09924946
; Patent No. US20020102645A1
; GENERAL INFORMATION:
; APPLICANT: American Home Products Corporation
; APPLICANT: Evans, Mark
; APPLICANT: Scicchitano, Marshall
; APPLICANT: Bapat, Ashok
; APPLICANT: Beet, Eric
; APPLICANT: Bhat, Ramesh
; APPLICANT: Ferris, Elissa
; APPLICANT: Mastroeni, Rob
; APPLICANT: Zhang, Jianxiong
; APPLICANT: Karathanasis, Sotirios K.
; TITLE OF INVENTION: A No. US20020102645A1el Member of the Lysyl Oxidase Gene Family
; FILE REFERENCE: 0630/1G703-US2
; CURRENT APPLICATION NUMBER: US/09/924,946
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/223,763
; PRIOR FILING DATE: 2000-08-08
; PRIOR APPLICATION NUMBER: 60/255,838
; PRIOR FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 756
; TYPE: PRT
; ORGANISM: Human
US-09-924-946-2

Query Match 100.0%; Score 541; DB 10; Length 756;
Best Local Similarity 100.0%; Pred. No. 1.1e-54;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VRLRSGAQQGGRVEVLNMRQWGTVCDDRWNLLISASVVCRLGFGSAREALFGARLGGGL 60
Db 311 VRLRSGAQQGGRVEVLNMRQWGTVCDDRWNLLISASVVCRLGFGSAREALFGARLGGGL 370
QY 61 GPIHLSEVRCRGYERTLSDCPALGSGQNGCQHENAARVCN 101
Db 371 GPIHLSEVRCRGYERTLSDCPALGSGQNGCQHENAARVCN 411

RESULT 3
US-10-067-422-27
; Sequence 27, Application US/10067422
; Patent No. US20020143170A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: Bone Morphogenic Protein (BMP) Polynucleotides, Polypeptides, and
; FILE REFERENCE: PT004P1
; CURRENT APPLICATION NUMBER: US/10/067,422
; CURRENT FILING DATE: 2002-02-07
; PRIOR APPLICATION NUMBER: 09/685,899
; PRIOR FILING DATE: 2000-10-11
; PRIOR APPLICATION NUMBER: PCT/US00/09028
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/152,933
; PRIOR FILING DATE: 1999-09-09
; PRIOR APPLICATION NUMBER: 60/147,020
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/131,672
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/130,693
; PRIOR FILING DATE: 1999-04-23
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 443
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-067-422-27

Query Match 100.0%; Score 541; DB 10; Length 756;
Best Local Similarity 100.0%; Pred. No. 1.1e-54;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VRLRSGAQQGGRVEVLNMRQWGTVCDDRWNLLISASVVCRLGFGSAREALFGARLGGGL 60
Db 311 VRLRSGAQQGGRVEVLNMRQWGTVCDDRWNLLISASVVCRLGFGSAREALFGARLGGGL 370
QY 61 GPIHLSEVRCRGYERTLSDCPALGSGQNGCQHENAARVCN 101
Db 371 GPIHLSEVRCRGYERTLSDCPALGSGQNGCQHENAARVCN 411
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-067-422-27

Query Match 98.9%; Score 535; DB 12; Length 443;
Best Local Similarity 99.0%; Pred. No. 2.8e-54;
Matches 100; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VRLRSGAQQGGRVEVLNMRQWGTVCDDRWNLLISASVVCRLGFGSAREALFGARLGGGL 60
Db 180 VRLRSGAQQGGRVEVLNMRQWGTVCDDRWNLLISASVVCRLGFGSAREALFGARLGGGL 239
QY 61 GPIHLSEVRCRGYERTLSDCPALGSGQNGCQHENAARVCN 101
Db 240 GPIHLSEVRCRGYERTLSDCPALGSGQNGCQHENAARVCN 280

RESULT 4
US-10-067-422-10
; Sequence 10, Application US/10067422
; Patent No. US20020143170A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: Bone Morphogenic Protein (BMP) Polynucleotides, Polypeptides, and
; FILE REFERENCE: PT004P1
; CURRENT APPLICATION NUMBER: US/10/067,422
; CURRENT FILING DATE: 2002-02-07
; PRIOR APPLICATION NUMBER: 09/685,899
; PRIOR FILING DATE: 2000-10-11
; PRIOR APPLICATION NUMBER: PCT/US00/09028
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/152,933
; PRIOR FILING DATE: 1999-09-09
; PRIOR APPLICATION NUMBER: 60/147,020
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/131,672
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/130,693
; PRIOR FILING DATE: 1999-04-23
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 573
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-067-422-10

Query Match 98.9%; Score 535; DB 12; Length 573;
Best Local Similarity 99.0%; Pred. No. 3.9e-54;
Matches 100; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VRLRSGAQQGGRVEVLNMRQWGTVCDDRWNLLISASVVCRLGFGSAREALFGARLGGGL 60
Db 310 VRLRSGAQQGGRVEVLNMRQWGTVCDDRWNLLISASVVCRLGFGSAREALFGARLGGGL 369
QY 61 GPIHLSEVRCRGYERTLSDCPALGSGQNGCQHENAARVCN 101
Db 370 GPIHLSEVRCRGYERTLSDCPALGSGQNGCQHENAARVCN 410

RESULT 5
US-09-870-110-2
; Sequence 2, Application US/09870110
; Patent No. US20020068322A1
; GENERAL INFORMATION:
; APPLICANT: Rachel Meyers
; TITLE OF INVENTION: 47765, A No. US20020068322A1el Human Lysyl Oxidase and
; FILE REFERENCE: MN1-160
; CURRENT APPLICATION NUMBER: US/09/870,110
; CURRENT FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/207,650
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; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 756
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: Incyte ID No. US20020156263A1 2161632CD1
US-09-974-298-110-2

Query Match      98.9%; Score 535; DB 10; Length 756;
Best Local Similarity 99.0%; Pred. No. 5.5e-54;
Matches 100; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VRLRSGAQVGEGRVEVLNMRQWGTVCDDRHWNLISASVVCRLGFGSAREALFGARLGGGL 60
Db 311 VRLRSGAQVGEGRVEVLNMRQWGTVCDDRHWNLISASVVCRLGFGSAREALFGARLGGGL 370

QY 61 GPIHLSVRCRGYERTLSDCPALEGSQNGCOHENAARVRCN 101
Db 371 GPIHLSVRCRGYERTLSDCPALEGSQNGCOHENDAAVRCN 411

RESULT 6
US-09-823-038A-52
; Sequence 52, Application US/09823038A
; Patent No. US20020058335A1
; GENERAL INFORMATION:
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Abernethy, Nevin
; APPLICANT: Cnurst, Rene
; APPLICANT: Kumble, Anand
; APPLICANT: Murison, Greg
; TITLE OF INVENTION: Compositions Isolated From Stromal Cells
; FILE REFERENCE: 11000.1037C3
; CURRENT APPLICATION NUMBER: US/09/823,038A
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 757
; TYPE: PRT
; ORGANISM: Mouse
US-09-823-038A-52

Query Match      94.5%; Score 511; DB 10; Length 757;
Best Local Similarity 95.0%; Pred. No. 3.4e-51;
Matches 96; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 VRLRSGAQVGEGRVEVLNMRQWGTVCDDRHWNLISASVVCRLGFGSAREALFGARLGGGL 60
Db 312 VRLRSGAQVGEGRVEVLNMRQWGTVCDDRHWNLISASVVCRLGFGSAREALFGARLGGGL 371

QY 61 GPIHLSVRCRGYERTLSDCPALEGSQNGCOHENAARVRCN 101
Db 372 GPIHLSVRCRGYERTLSDCPALEGSQNGCOHENDAAVRCN 412

RESULT 7
US-09-974-298-122
; Sequence 122, Application US/09974298
; Patent No. US20020156263A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Hwei-Mei
; TITLE OF INVENTION: GENES EXPRESSED IN BREAST CANCER
; FILE REFERENCE: PA-0037 P
; CURRENT APPLICATION NUMBER: US/09/974,298
; CURRENT FILING DATE: 2001-10-04
; PRIOR FILING DATE: 2001-10-04
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program

; SEQ ID NO 122
; LENGTH: 774
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020156263A1 2161632CD1
US-09-974-298-122

Query Match      67.2%; Score 363.5; DB 9; Length 774;
Best Local Similarity 65.3%; Pred. No. 4.9e-34;
Matches 66; Conservative 16; Mismatches 18; Indels 1; Gaps 1;

QY 1 VRLRSGAQVGEGRVEVLNMRQWGTVCDDRHWNLISASVVCRLGFGSAREALFGARLGGGL 60
Db 326 VRLRGGAYIGRVEVLNKGWGTVCDDKXDLVSASVVCRLGFGSAREAVTGSRLGGI 385

QY 61 GPIHLSVRCRGYERTLSDCPALEGSQNGCOHENAARVRCN 101
Db 386 GPIHLSVRCRGYERTLSDCPALEGSQNGCOHENDAAVRCN 425

RESULT 8
US-09-782-980-16
; Sequence 16, Application US/09782980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran M.
; APPLICANT: MacBeth, Kyle J.
; APPLICANT: Busfield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIPE, TRASH, BDSF, LRSG, AND
; TITLE OF INVENTION: STMT PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: MNI-121CP
; CURRENT APPLICATION NUMBER: US/09/782,980
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117,580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014,195
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/014,348
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/086,892
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/296,208
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 09/063,950
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 09/561,381
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/561,810
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/087,121
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/672,721
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 09/049,799
; NUMBER OF SEQ NOS: 176
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 16
; LENGTH: 774
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-782-980-16

Query Match      67.2%; Score 363.5; DB 10; Length 774;
Best Local Similarity 65.3%; Pred. No. 4.9e-34;
Matches 66; Conservative 16; Mismatches 18; Indels 1; Gaps 1;

QY 1 VRLRSGAQQVGEGRVEVLNMQWGTVCDDHRLNLSASVVCFLGFGSAREALFGARLGGGL 60
DB 326 VRLRGGAYIGEGRVEVLNKGWGTVCDDKWLVSASVVCRELFGFGSAKEAVTGSRLGGGI 385

QY 61 GPIHLSVRCRGVETLSDCPALGSGQNGCOHENAAVRCN 101
DB 386 GPIHLNEIQTGNEKSIIDCKFNAESQ-GCNHEEDAGVRCN 425

RESULT 9
US-09-909-743-7
; Sequence 7, Application US/09909743
; Patent No. US20020151007A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran et al.
; TITLE OF INVENTION: METHODS OF USE OF A NOVEL LYSYL OXIDASE-RELATED
; FILE REFERENCE: MNI-073CP
; CURRENT APPLICATION NUMBER: US/09/909,743
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-25
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 774
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-909-743-7

Query Match      67.2%; Score 363.5; DB 10; Length 774;
Best Local Similarity 65.3%; Pred. No. 4.9e-34;
Matches 66; Conservative 16; Mismatches 18; Indels 1; Gaps 1;

QY 1 VRLRSGAQQVGEGRVEVLNMQWGTVCDDHRLNLSASVVCFLGFGSAREALFGARLGGGL 60
DB 326 VRLRGGAYIGEGRVEVLNKGWGTVCDDKWLVSASVVCRELFGFGSAKEAVTGSRLGGGI 385

QY 61 GPIHLSVRCRGVETLSDCPALGSGQNGCOHENAAVRCN 101
DB 386 GPIHLNEIQTGNEKSIIDCKFNAESQ-GCNHEEDAGVRCN 425

RESULT 10
US-09-835-996A-31
; Sequence 31, Application US/09835996A
; Patent No. US20020142953A1
; GENERAL INFORMATION:
; APPLICANT: Ballinger, Dennis
; APPLICANT: Loeb, Debra
; APPLICANT: Montgomery, Julie
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhao, Qing
; APPLICANT: Wehrman, Tom
; APPLICANT: Drmanac, Radcoje
; APPLICANT: Ren, Feiyang
; APPLICANT: Qian, Xiaohong
; APPLICANT: Wang, Dunrui
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO LIPID METABOLISM
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; FILE REFERENCE: 28110/35915A
; CURRENT APPLICATION NUMBER: US/09/835,996A
; CURRENT FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: US 60/197,137
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: US 09/714,936
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: US 09/667,298
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 09/598,042
; PRIOR FILING DATE: 2000-06-20
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 608
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-835-996A-31

Query Match      61.7%; Score 334; DB 10; Length 608;
Best Local Similarity 63.4%; Pred. No. 9.8e-31;
Matches 64; Conservative 9; Mismatches 28; Indels 0; Gaps 0;

QY 1 VRLRSGAQQVGEGRVEVLNMQWGTVCDDHRLNLSASVVCFLGFGSAREALFGARLGGGL 60
DB 162 VRLKGAHPGEGRVEVLKASTGTVCDDKWLHAASVVCRELFGFGSAREALSGARMGGGM 221

QY 61 GPIHLSVRCRGVETLSDCPALGSGQNGCOHENAAVRCN 101
DB 222 GAIHLSVRCSGQELSLWKCPHKNTAEDCSHQDAGVRCN 262

RESULT 11
US-09-948-820-51
; Sequence 51, Application US/09948820
; Publication No. US20030050460A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 31 Human Secreted Proteins
; FILE REFERENCE: P2034P1
; CURRENT APPLICATION NUMBER: US/09/948,820
; CURRENT FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: US/09/565,391
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: PCT/US99/26409
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/108,207
; PRIOR FILING DATE: 1998-11-12
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 51
; LENGTH: 641
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (93)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (469)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (486)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-948-820-51

Query Match      61.7%; Score 334; DB 9; Length 641;
Best Local Similarity 63.4%; Pred. No. 1.1e-30;
Matches 64; Conservative 9; Mismatches 28; Indels 0; Gaps 0;

QY 1 VRLRSGAQQVGEGRVEVLNMQWGTVCDDHRLNLSASVVCFLGFGSAREALFGARLGGGL 60
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D6 367 GATHLSEVRCSGGELSLWKCPHKXNITAEDCSHSQDAGVRCN 407

RESULT 13  
US-09-909-743-2  
; Sequence 2, Application US/09909743  
; Patent No. US20020151007A1  
; GENERAL INFORMATION:  
; APPLICANT: Kiodadoust, Mehran et al.  
; TITLE OF INVENTION: METHODS OF USE OF A NOVEL LYSYL OXIDASE-RELATED  
; TITLE OF INVENTION: PROTEIN  
; FILE REFERENCE: MWI-073CP  
; CURRENT APPLICATION NUMBER: US/09/909,743  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/448,076  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/276,400  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-25  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 753  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-909-743-2

Query Match 61.7%; Score 334; DB 10; Length 753;  
Best Local Similarity 63.4%; Pred. No. 1.3e-30;  
Matches 64; Conservative 9; Mismatches 28; Indels 0; Gaps 366

QY 1 VRURSGAQVGEGRVEVLMMNQWGTVDHRWNLLISASVVCRLGFGSAREALFGARLQGGL 60  
||| : ||| ||||| ||||| : | : ||||| ||||| ||||| : ||| :  
D6 307 VRLKGAHPGEGRVEVLKASTGWTCDRKWDLLHAASVVCRELFGSAREALSGARMQGM 366  
||| : ||| ||||| ||||| : | : ||||| ||||| ||||| : ||| :

QY 61 GPHLSEVRCRGYERTLSDCPALEGSQNGCGHENAAYRCN 101  
||| : ||||| ||||| ||||| : | : ||||| ||||| ||||| : ||| :

D6 367 GAHLSEVRCSGGELSLWKCPHKXNITAEDCSHSQDAGVRCN 407

RESULT 14  
US-09-835-996A-39  
; Sequence 39, Application US/09835996A  
; Patent No. US20020142953A1  
; GENERAL INFORMATION:  
; APPLICANT: Ballinger, Dennis  
; APPLICANT: Loeb, Debra  
; APPLICANT: Montgomery, Julie  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Zhou, Ping  
; APPLICANT: Goodrich, Ryle  
; APPLICANT: Liu, Chenghua  
; APPLICANT: Asundi, Vinod  
; APPLICANT: Zhao, Qing  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Drmanac, Radoje  
; APPLICANT: Ren, Feiyang  
; APPLICANT: Qian, Xiaohong  
; APPLICANT: Wang, Dunrui  
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO LIPID METABOLISM  
; FILE REFERENCE: 28110/35915A  
; CURRENT APPLICATION NUMBER: US/09/835,996A  
; CURRENT FILING DATE: 2001-04-16  
; PRIOR APPLICATION NUMBER: US 60/197,137  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: US 09/714,936  
; PRIOR FILING DATE: 2000-11-17  
; PRIOR APPLICATION NUMBER: US 09/667,298  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: US 09/631,451  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: US 09/598,042  
; PRIOR FILING DATE: 2000-06-20  
; NUMBER OF SEQ ID NOS: 45

; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 39  
; LENGTH: 769  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-835-996A-39

Query Match 61.7%; Score 334; DB 10; Length 769;  
Best Local Similarity 63.4%; Pred. No. 1.3e-30;  
Matches 64; Conservative 9; Mismatches 28; Indels 0; Gaps 0;

QY 1 VRLRSQAQVGEGRVEVLNMQWTVCDHRWNLIASVVCRCQLGFGSAREALFGARIGQGL 60  
Db 326 VRLKGAHPGEGRVEVLKASTWGTVCYRKWDLHAASVVCRELFGSAREALSGARMGQGM 385  
QY 61 GPIHLSEVRCRGYERTLSDCPALEGSQNGCOHENAARCN 101  
Db 386 GAIHLSEVRCGQELSILWKCPHKNTAEDCSHSQDAGVRN 426

## RESULT 15

US-09-835-996A-13  
; Sequence 13, Application US/09835996A  
; Patent No. US20020142953A1  
; GENERAL INFORMATION:  
; APPLICANT: Ballinger, Dennis  
; APPLICANT: Loeb, Debra  
; APPLICANT: Montgomery, Julie  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Zhou, Ping  
; APPLICANT: Goodrich, Ryle  
; APPLICANT: Liu, Chenghua  
; APPLICANT: Asundi, Vinod  
; APPLICANT: Zhao, Qing  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Drmanac, Radoje  
; APPLICANT: Ren, Feiyan  
; APPLICANT: Qian, Xiaohong  
; APPLICANT: Wang, Dunrui  
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO LIPID METABOLISM  
; FILE REFERENCE: 28110/35915A  
; CURRENT APPLICATION NUMBER: US/09/835,996A  
; CURRENT FILING DATE: 2001-04-16  
; PRIOR APPLICATION NUMBER: US 60/197,137  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: US 09/714,936  
; PRIOR FILING DATE: 2000-11-17  
; PRIOR APPLICATION NUMBER: US 09/667,298  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: US 09/631,451  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: US 09/598,042  
; PRIOR FILING DATE: 2000-06-20  
; NUMBER OF SEQ ID NOS: 45  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 13  
; LENGTH: 732  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (632)  
; OTHER INFORMATION: Xaa = unknown or other  
; NAME/KEY: misc feature  
; LOCATION: (672)  
; OTHER INFORMATION: Xaa = unknown or other  
; NAME/KEY: misc feature  
; LOCATION: (711)  
; OTHER INFORMATION: Xaa = unknown or other  
; US-09-835-996A-13

Query Match 60.1%; Score 325; DB 10; Length 732;  
Best Local Similarity 62.4%; Pred. No. 1.4e-29;

Matches 63; Conservative 9; Mismatches 29; Indels 0; Gaps 0;  
QY 1 VRLRSQAQVGEGRVEVLNMQWTVCDHRWNLIASVVCRCQLGFGSAREALFGARIGQGL 60  
Db 307 VRLKGAHPGEGRVEVLKASTWGTVCYRKWDLHAASVVCRELFGSAREALSGARMGQGM 366  
QY 61 GPIHLSEVRCRGYERTLSDCPALEGSQNGCOHENAARCN 101  
Db 367 GAIHLSEVRCGQELSILWKCPHKNTAEDCSHSQDAGVRN 407

Search completed: March 28, 2003, 12:30:19  
Job time : 5.21804 secs